

Title (en)
PRODUCTION OF ACETATE ESTERS FROM ALCOHOLS USING RHODIUM COMPLEX CATALYSTS

Publication
EP 0171804 B1 19890118 (EN)

Application
EP 85110208 A 19850814

Priority
US 64120684 A 19840816

Abstract (en)
[origin: EP0171804A2] A process for the production of acetate esters by the catalytic reaction of an alcohol of the formula ROH and carbon monoxide in contact with a homogeneous catalyst system of rhodium metal atom, a phosphorus containing ligand in which there is present at least one oxo (=O) oxygen atom attached to a phosphorus atom or a carbon atom to form a Z group and the @ or @ group in said Z group is located at least one carbon atom removed and preferably from 2-4 carbon atoms removed from the phosphorus atom of the molecules represented by the formulas <CHEM> or <CHEM> and a halogen promoter, under mild reaction conditions, wherein R min is aryl, alkaryl, aralkyl or alkyl, and wherein 1 or more of said R min groups can be substituted with a Z group but not more than 3 of said R min groups in the molecule are so substituted: a is an integer from 0-4; b is an integer from 0-3; and Z is P(O)R min R min ; - C(O)OR sec or C(O)R sec , wherein R sec is R min or -H; and wherein ROH is methanol or a mixture of methanol and at least one higher alcohol.

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C07C 67/36; **C07C 69/14**

IPC 8 full level
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